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=> d hist

(FILE 'HOME' ENTERED AT 12:00:56 ON 18 APR 2000)

FILE 'MEDLINE, CAPLUS, CAOLD, BIOSIS' ENTERED AT 12:01:22 ON 18 APR 2000
L1      103123 S APOPTOSIS
L2      1756 S GLYCEROLIPID OR GLEROGLYCOLIPID
L3      13 S L1 AND L2
L4      32404 S TEA
L5      1 S L4 AND L2
L6      6 DUPLICATE REMOVE L3 (7 DUPLICATES REMOVED)
L7      50 S L2 AND (SEPARATION OR EXTRACT)
L8      33 DUPLICATE REMOVE L7 (17 DUPLICATES REMOVED)

=> s l4 and lipid?

L9      889 L4 AND LIPID?

=> s l9 and glyco?

L10     48 L9 AND GLYCO?

=> s l10 and glycer?

L11     13 L10 AND GLYCER?
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<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
ALL	l29 and lipd	1	<u>L31</u>
ALL	l9 and lipid	1	<u>L30</u>
ALL	l26 and glycer\$	204	<u>L29</u>
ALL	l26 and l2	0	<u>L28</u>
ALL	l26 and l1	0	<u>L27</u>
ALL	nutritional.clm.	776	<u>L26</u>
ALL	l24 and l1	11	<u>L25</u>
ALL	nutrition\$	24770	<u>L24</u>
ALL	l22 and l1	25	<u>L23</u>
ALL	food or beverage	340008	<u>L22</u>
ALL		41	<u>L21</u>
ALL	l1 and plant\$	41	<u>L20</u>
ALL	l3 and l1	5	<u>L19</u>
ALL	l1 and 514/\$.ccls.	36	<u>L18</u>
ALL	glycerolipid.ti.	3	<u>L17</u>
JPAB	08169891	1	<u>L16</u>
JPAB	07149786	1	<u>L15</u>
JPAB	7149786	0	<u>L14</u>
JPAB	60019716	1	<u>L13</u>
ALL		17	<u>L12</u>
ALL		14	<u>L11</u>
ALL	l5 and glycer\$	14	<u>L10</u>
ALL	l5 and glycolipid	1	<u>L9</u>
ALL	l5 and l2	0	<u>L8</u>
ALL	l5 and l1	0	<u>L7</u>
ALL	l5 and l1 and l2	0	<u>L6</u>
ALL	l3 and l4	44	<u>L5</u>
ALL	tea	29110	<u>L4</u>
ALL	apoptosis	3025	<u>L3</u>
ALL	glyceroglycolipid	90	<u>L2</u>
ALL	glycerolipid	115	<u>L1</u>

L3 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1989:601600 CAPLUS
DOCUMENT NUMBER: 111:201600
TITLE: Preparation of docosahexaenoyleicosadiacylglycerol as
anticancer agent from fish eggs
INVENTOR(S): Hibino, Hidehiko; Fukuda, Nobuo; Nakachi, Osamu;
Sakurai, Shigeru; Asahi, Kenichi; Takahashi, Nobutaka
PATENT ASSIGNEE(S): Nippon Oils and Fats Co., Ltd., Japan; Institute of
Physical and Chemical Research
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01160988	A2	19890623	JP 1987-318616	19871218
JP 07062020	B4	19950705		

AB The title compd. (I), useful as an **anticancer** agent, was prep'd.
from phosphatidylcholine extd. from fish egg. Acetone extn. of rainbow
trout homogenate gave an ext., which was further extd. with Et₂O,
followed
by CHCl₃-MeOH extn. Purifn. of the resulting ext. by silica gel
chromatog. gave crude phosphatidylcholine. Liq. chromatog. purifn. of
the
latter gave pure phosphatidylcholine, which was hydrolyzed by
phospholipase C to give I. In an in vitro test using leukemic cells, I
at
50 .mu.g/mL showed an 80% differentiation rate.